

WHAT IS CLAIMED IS:

1. A glycopolymer comprising a main chain of a saccharide component and a second component, said saccharide component consisting of glucopyranose.

2. The glycopolymer according to claim 1, wherein said glycopolymer comprises a plurality of main chains, wherein each main chain is crosslinked with a bifunctional or polyfunctional aliphatic compound.

3. The glycopolymer according to claim 2, wherein said aliphatic compound is a compound selected from the group consisting of a dicarboxylic acid, a diol, a diamine and a diisocyanate.

4. The glycopolymer according to claim 2, wherein said aliphatic compound is polyvinyl alcohol.

5. The glycopolymer according to claim 2, wherein said main chains are crosslinked through the saccharide.

6. The glycopolymer according to claim 2, wherein said main chains are crosslinked through the second component.

7. A glycopolymer containing a plurality of molecular chains, each said molecular chain containing at least one repeating unit, wherein said molecular chains are crosslinked with a saccharide crosslinking component, said saccharide crosslinking component consisting of glucopyranose.

8. The glycopolymer according to claim 7, wherein said repeating unit includes a saccharide.

9. The glycopolymer according to claim 8, wherein said molecular chains are crosslinked at the saccharide portions of the molecular chains.

10. The glycopolymer according to claim 8, wherein said molecular chains are crosslinked at portions other than the saccharide portions of the molecular chains.

11. The glycopolymer according to claim 7, wherein said repeating unit includes a compound having a vinyl group.